

# Patrick Gredin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7595173/publications.pdf>

Version: 2024-02-01

60  
papers

1,602  
citations

304368

22  
h-index

288905

40  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1832  
citing authors

#	ARTICLE	IF	CITATIONS
1	Apatites based catalysts: A tentative classification. <i>Molecular Catalysis</i> , 2022, 519, 112146.	1.0	3
2	Structural, thermal and optical investigations of PbF <sub>2</sub> :Eu <sup>3+</sup> particles prepared by co-precipitation method. <i>Optical Materials</i> , 2018, 83, 321-327.	1.7	3
3	Dependence of the interaction mechanisms between L-serine and O-phospho-L-serine with calcium hydroxyapatite and copper modified hydroxyapatite in relation with the acidity of aqueous medium. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 929-937.	1.1	2
4	Exploring the Magnetic and Electric Side of Light through Plasmonic Nanocavities. <i>Nano Letters</i> , 2018, 18, 5098-5103.	4.5	16
5	Thermal conductivity measurements of Yb:CaF <sub>2</sub> transparent ceramics using the 3 $\bar{I}$ % method. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	15
6	Fluorescence enhancement near single TiO <sub>2</sub> nanodisks. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	13
7	Analysis of Thermal Properties for Novel Nanopowder-Based Yb:CaF <sub>2</sub> Optical Ceramics. , 2017, , .		0
8	Wet-Route Synthesis and Characterization of Yb:CaF <sub>2</sub> Optical Ceramics. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1992-2000.	1.9	39
9	The incorporation site of Er in nanosized CaF <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 485301.	0.7	2
10	Nanoscale thermometry with fluorescent yttrium-based Er/Yb-doped fluoride nanocrystals. <i>Sensors and Actuators A: Physical</i> , 2016, 250, 71-77.	2.0	19
11	A 3D array of Co(II) cubanes with very strong magnetic anisotropy. <i>Journal of Alloys and Compounds</i> , 2016, 686, 447-452.	2.8	5
12	Laser performance of diode-pumped Yb:CaF <sub>2</sub> optical ceramics synthesized using an energy-efficient process. <i>Optica</i> , 2015, 2, 288.	4.8	53
13	Diode-pumped laser demonstration with Yb:CaF <sub>2</sub> nanopowder-based ceramics. , 2014, , .		1
14	Magnetic and Fluorescent Hybrid Silica Nanoparticles Based on the Co-Encapsulation of $\bar{I}^3$ -Fe <sub>2</sub> O <sub>3</sub> Nanocrystals and [Mo <sub>6</sub> Br <sub>14</sub> ] <sup>2-</sup> Luminescent Nanosized Clusters by Water-in-Oil Microemulsion. <i>Key Engineering Materials</i> , 2014, 617, 174-178.	0.4	2
15	Spectra and energy levels of Yb <sup>3+</sup> ions in CaF <sub>2</sub> transparent ceramics. <i>Journal of Alloys and Compounds</i> , 2014, 584, 261-268.	2.8	27
16	Cu-modified hydroxy-apatite as catalyst for Glaser-Hay CC homo- coupling reaction of terminal alkynes. <i>Journal of Molecular Catalysis A</i> , 2014, 393, 112-116.	4.8	30
17	Effect of Yb <sup>3+</sup> concentration on optical properties of Yb:CaF <sub>2</sub> transparent ceramics. <i>Optical Materials</i> , 2012, 34, 965-968.	1.7	65
18	Fluoride materials for optical applications: Single crystals, ceramics, glasses, and glass-ceramics. <i>Journal of Fluorine Chemistry</i> , 2011, 132, 1165-1173.	0.9	105

#	ARTICLE	IF	CITATIONS
19	Origin of light scattering in ytterbium doped calcium fluoride transparent ceramic for high power lasers. Journal of the European Ceramic Society, 2011, 31, 1619-1630.	2.8	98
20	Last advances in Yb <sup>3+</sup> -doped CaF <sub>2</sub> ceramics synthesis. , 2011, , .		3
21	Cathodo- and photoluminescence in Yb <sup>3+</sup> -Er <sup>3+</sup> co-doped PbF <sub>2</sub> nanoparticles. Optics Express, 2010, 18, 8836.	1.7	26
22	Synthesis and optical characterizations of Yb-doped CaF <sub>2</sub> ceramics. Optical Materials, 2009, 31, 750-753.	1.7	113
23	Sorption of tartrate ions to lanthanum (III)-modified calcium fluor- and hydroxyapatite. Journal of Colloid and Interface Science, 2009, 330, 20-28.	5.0	26
24	Optical nanoheater based on the Yb <sup>3+</sup> -Er <sup>3+</sup> co-doped nanoparticles. Optics Express, 2009, 17, 11794.	1.7	88
25	Research of green emitting rare-earth doped materials as potential quantum-cutter. Optical Materials, 2008, 30, 1083-1087.	1.7	14
26	Luminescence properties of PbF <sub>2</sub> :Yb <sup>3+</sup> -Er <sup>3+</sup> nanoparticles synthesized by two different original routes. Journal of Alloys and Compounds, 2008, 451, 563-566.	2.8	14
27	Preparation and up-conversion luminescence of 8 nm rare-earth doped fluoride nanoparticles. Optics Express, 2008, 16, 14544.	1.7	41
28	Quantum cutting effect in $3\text{KY} \rightarrow 2\text{Yb}^{3+}$ Physical Review B, 2008, 78, .		20
29	Six-fold Oxygen-Coordinated Triplet (S= 1) Palladium(II) Moieties Templated by Tris(bipyridine)ruthenium(II) Ions. Journal of the American Chemical Society, 2007, 129, 1327-1334.	6.6	30
30	Covalent modification of calcium hydroxyapatite surface by grafting phenyl phosphonate moieties. Journal of Solid State Chemistry, 2007, 180, 2273-2278.	1.4	31
31	Energy transfers between dysprosium and terbium in. Journal of Luminescence, 2007, 127, 568-574.	1.5	30
32	Synthesis of Fluoride Nanoparticles in Non-Aqueous Nanoreactors. Luminescence Study of Eu <sup>3+</sup> :CaF <sub>2</sub> . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 1538-1543.	0.6	22
33	Enantioselective self-assembly of chiral bimetallic oxalate-based networks. Coordination Chemistry Reviews, 2006, 250, 2491-2500.	9.5	161
34	Synthesis and optical characterizations of undoped and rare-earth-doped CaF <sub>2</sub> nanoparticles. Journal of Solid State Chemistry, 2006, 179, 2636-2644.	1.4	110
35	<title>Optically active molecular magnets</title>. , 2005, 5946, 143.		0
36	Sol-gel synthesis of K <sub>3</sub> InF <sub>6</sub> and structural characterization of K <sub>2</sub> InCl <sub>10</sub> O <sub>10</sub> H <sub>6</sub> F <sub>9</sub> , K <sub>3</sub> InCl <sub>12</sub> O <sub>14</sub> H <sub>4</sub> F <sub>18</sub> and K <sub>3</sub> InCl <sub>12</sub> O <sub>12</sub> F <sub>18</sub> . Journal of Solid State Chemistry, 2005, 178, 3197-3205.	1.4	7

#	ARTICLE	IF	CITATIONS
37	Synthesis and Structural Characterization of K <sub>0.33</sub> Gd <sub>0.67</sub> F <sub>2.33</sub> (KGd <sub>2</sub> F <sub>7</sub> ) and K <sub>0.31</sub> Gd <sub>0.69</sub> F <sub>1.84</sub> O <sub>0.27</sub> .. ChemInform, 2005, 36, no.	0.1	0
38	Synthesis, characterization and magnetic properties of disk-shaped particles of a cobalt alkoxide: Coii(C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> ). New Journal of Chemistry, 2005, 29, 355-361.	1.4	98
39	Structure, magnetism and optical properties of achiral and chiral two-dimensional oxalate-bridged anionic networks with symmetric and asymmetric ammonium cations. Dalton Transactions, 2005, , 3101.	1.6	40
40	Synthesis and structural characterization of K <sub>0.33</sub> Gd <sub>0.67</sub> F <sub>2.33</sub> (KGd <sub>2</sub> F <sub>7</sub> ) and K <sub>0.31</sub> Gd <sub>0.69</sub> F <sub>1.84</sub> O <sub>0.27</sub> . Solid State Sciences, 2004, 6, 1221-1228.	1.5	11
41	The Crystal Structure of Ba <sub>3</sub> Cu <sub>2</sub> Al <sub>2</sub> F <sub>16</sub> : A Relative of Ba <sub>4</sub> Cu <sub>2</sub> Al <sub>3</sub> F <sub>21</sub> .. ChemInform, 2004, 35, no.	0.1	0
42	Enantioselective Self-Assembly of Bimetallic[MnII (Î <sup>2+</sup> )-CrIII(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ] <sup>âˆ’</sup> and[MnII (Î <sup>1+</sup> )-CrIII(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ] <sup>âˆ’</sup> Layered Anionic Networks Templated by the Optically Active (Rp)- and (Sp)-[1-CH <sub>2</sub> N(n-C <sub>3</sub> H <sub>7</sub> ) <sub>3</sub> -2-CH <sub>3</sub> iËC <sub>5</sub> H <sub>3</sub> FeiËC <sub>5</sub> H <sub>5</sub> ] <sup>+</sup> Ions. Chemistry - A European Journal, 2004, 10, 4763-4769.	1.7	35
43	Chiral matrix effect of optically active oxalate-based networks: controlled helical conformation of an organic chromophore. Tetrahedron: Asymmetry, 2004, 15, 3103-3109.	1.8	15
44	Structural and magnetic properties of two- and three-dimensional molecule-based magnets (cat)+[MIIIMIII(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ] <sup>âˆ’</sup> . Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1089-1090.	1.0	7
45	Chiral Templating Activity of Tris(bipyridine)ruthenium(II) Cation in the Design of Three-Dimensional (3D) Optically Active Oxalate-Bridged {[Ru(bpy) <sub>3</sub> ][Cu <sub>2</sub> xNi <sub>2</sub> (1-x)(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ]} <sub>n</sub> (0 â‰¤ x â‰¤ 1; bpy = 2,2â€-bipyridine) <sub>2</sub> Structural, Optical, and Magnetic Studies. Chemistry of Materials, 2004, 16, 832-841.		77
46	The Crystal Structure of Ba <sub>5</sub> 8Ga <sub>22</sub> F <sub>1800</sub> . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 1044-1050.	0.6	3
47	The Crystal Structure of Ba <sub>3</sub> Cu <sub>2</sub> Al <sub>2</sub> F <sub>16</sub> : a Relative of Ba <sub>4</sub> Cu <sub>2</sub> Al <sub>3</sub> F <sub>21</sub> . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 1960-1964.	0.6	8
48	The Ternary System BaF <sub>2</sub> /CuF <sub>2</sub> /AlF <sub>3</sub> and the Crystal Structure of Ba <sub>45</sub> Cu <sub>28</sub> Al <sub>17</sub> F <sub>197</sub> . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2002, 628, 191-197.	0.6	7
49	The Crystal Structure of the Weberite Na <sub>2</sub> MgInF <sub>7</sub> . Journal of Solid State Chemistry, 2001, 159, 234-238.	1.4	10
50	Magnetic properties of two copper II fluorides: Ba <sub>2</sub> Cu <sub>2</sub> AlF <sub>11</sub> and Ba <sub>5</sub> Sc <sub>2</sub> CuF <sub>18</sub> . Solid State Sciences, 2000, 2, 531-537.	1.5	1
51	The Crystal Structure of Ba <sub>5</sub> Cu <sub>2</sub> Al <sub>3</sub> F <sub>23</sub> : A Complex Barium, Copper, Aluminum Fluoride, with Copper (II) in Trigonal Prismatic Environment. Journal of Solid State Chemistry, 1999, 147, 657-663.	1.4	4
52	The Crystal Structure of Ba <sub>2</sub> CuAlF <sub>9</sub> : a New Structure Type in Copper Fluoride Chemistry. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1999, 625, 1310-1314.	0.6	6
53	The Crystal Structure of Ba <sub>2</sub> Cu <sub>2</sub> AlF <sub>11</sub> : a New Structure Type in Copper Fluoride Crystal Chemistry. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1998, 624, 331-334.	0.6	10
54	New powder diffraction data for dimorphic KHF <sub>2</sub> . Powder Diffraction, 1996, 11, 121-122.	0.4	7

#	ARTICLE	IF	CITATIONS
55	Mössbauer Spectroscopy and Magnetic Properties of $Ba_5Fe_{11}M_{1-x}F_{19}$ ( $M = Fe, Cu$ ). Journal of Solid State Chemistry, 1996, 125, 159-164.	1.4	1
56	The crystal structure of a new form of the dipotassium pentafluoroaluminate hydrate, $K_2AlF_5 \cdot H_2O$ , and of its dehydrate, $K_2AlF_5$ . Journal of Fluorine Chemistry, 1996, 77, 39-44.	0.9	10
57	The crystal structure of $Pb_7Fe_{11}Fe_6F_{34}$ : A new jarlite-type compound. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1996, 622, 1200-1204.	0.6	2
58	Powder diffraction data for copper hexafluorides: $Ba_2CuF_6$ and $Pb_2CuF_6$ . Powder Diffraction, 1995, 10, 221-222.	0.4	1
59	The Crystal Structure of $Pb_8Fe_{11}Fe_2F_{24}$ : an ordered Fluorite-like Compound. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1995, 621, 1053-1057.	0.6	4
60	Complex copper(II) fluorides. XV. The Ternary System $BaF_2-CuF_2-ScF_3$ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1993, 619, 1088-1094.	0.6	10